

Regular solutions of multiplicative-convolution equation in the Vladimirov algebra

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Abstract

© 2015 Leila Salekhova and Elvira Chebotareva. The aim of this paper is to prove existence and uniqueness of regular solution of multiplicative-convolution equation in the convolution subalgebra of the Vladimirov multiplicative algebra. We also consider the method of constructing solutions of this equation..

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Keywords

Convolution operator of cutoff function, Convolution operator of smooth cutoff function, Isomorphic algebras, Parabolic cutoff function, Smooth parabolic cutoff function